APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,940	08/21/2003	J. Patrick Thompson	MSFT-1750/302726.01	1753

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EXAMINER
LY, CHEYNE D

ART UNIT	PAPER NUMBER
2168	

MAIL DATE	DELIVERY MODE
08/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Interview Summary	10/646,940	THOMPSON ET AL.
	Examiner	Art Unit	
	Cheyne D. Ly	2168	

All participants (applicant, applicant's representative, PTO personnel):

(1) _Cheyne D. Ly_.

(3)_Jonathan Waldman for Applicant_.

(2) _Tim Vo_ .

(4)_____.

Date of Interview: _31 July 2007_.

Type: a)☒ Telephonic   b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant   2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes   e)☐ No.
If Yes, brief description: _____.

Claim(s) discussed: _____.

Identification of prior art discussed: _____.

Agreement with respect to the claims f)☐ was reached.   g)☒ was not reached.   h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: _SPE Tim Vo has indicated to Applicant that the proposed amendment, faxed to Examiner on July 18, 2007, would overcome the non-compliant issue once it is formally filed_ .

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)
In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
    (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

FACSIMILE

DATE: **July 18, 2007**   JOB CODE:

Please deliver this and the following pages to:

Name:	**Examiner Cheyne Dune Ly**
Company/Firm:	**United States Patent and Trademark Office**
Telecopier No.:	**571-273-0716**
Client/Matter No.:	**U.S. Patent Application No. 10/646,940**
	Attorney Docket No. MSFT-1750
Sender's Name:	**David Platz**
Pages to Follow:	**6**

If transmission is not complete, please call our **Seattle Office** at **(206) 332-1380.**

COVER MESSAGE:

Please see the attached draft claims.

WOODCOCK WASHBURN LLP *A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS*   www.woodcock.com

PAGE 1/7 * RCVD AT 7/18/2007 3:07:38 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/13 * DNIS:2730716 * CSID: * DURATION (mm-ss):02-10

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This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

36.   (Currently amended) A computer implemented method comprising:

storing data for one or more applications in a repository, the data stored as objects including content, the objects conforming to a <u>base</u> schema that characterizes each object into one or more object types that allows the repository to understand and interpret the content of each object, <u>wherein the base schema defines object, property base, and extension types, wherein an object type is defined by properties of a foundational object type, the property base type being an anchor from which other property types are derived and through which derived property types are interrelated, and the extension type defines which object an extension extends and identification to distinguish one extension from another;</u>

receiving at least one request from said one or more applications for specific content; and

retrieving one or more objects that include said specific content for said one or more applications.

37.   (Previously presented) The method of claim 36, wherein the schema further defines at least one base object type including at least one base object type property.

38.   (Previously presented) The method of claim 37 further comprising:

storing at least one object in said repository, said object being derived from said object type and including said at least one base object type property.

39.   (Previously presented) The method of claim 38 further comprising:

storing said at least one object in said repository, wherein said at least one object extends from said base object type.

40.   (Previously presented) The method of claim 37, wherein said base object type comprises a property that uniquely identifies said object to said repository.

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41.   (Previously presented) The method of claim 36, wherein said schema defines at least one base property that defines all other properties utilized by the repository.

42.   (Previously presented) The method of claim 36, wherein said schema defines at least one base relationship type that defines all other relationships utilized by the repository.

43.   (Previously presented) The method of claim 42, further comprising:
storing said at least one additional object in said repository, wherein said object includes a containment relationship defined by said schema that controls the life-time of another object that is the target of the relationship.

44.   (Previously presented) The method of claim 43 further comprising:
storing said at least one additional object in said repository, wherein said at least one additional object is derived from said base object type and said at least one additional object includes a relationship to an object folder derived from said base object type, wherein said object folder being the source of the relationship and said object is the target of said relationship.

45.   (Previously presented) The method of claim 44, wherein the existence of a containment relationship is indicated by a property field in the source object of the relationship.

46.   (Previously presented) The method of claim 44, further comprising:
deleting the object that constitutes the source in a containment relationship and in response to deleting the source, deleting any objects that are the targets of the containment relationship.

47.   (Previously presented) The method of claim 43, further comprising:
configuring said target of the containment relationship to be the target of multiple containment relationships.

48.   (Previously presented) The method of claim 41, wherein the base schema further defines a second property type that constitutes a base type for categories.

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49.   (Currently amended) A computer implemented method comprising:

instructions for storing data for one or more applications in a repository, the data stored as objects including content, the objects conforming to a <u>base</u> schema that characterizes each object into one or more object types that allows the repository to understand and interpret the content of each object<u>, wherein the base schema defines object, property base, and extension types, wherein an object type is defined by properties of a foundational object type, the property base type being an anchor from which other property types are derived and through which derived property types are interrelated, and the extension type defines which object an extension extends and identification to distinguish one extension from another</u>;

instructions for receiving at least one request from said one or more applications for specific content; and

instructions for retrieving one or more objects that include said specific content for said one or more applications.

50.   (Previously presented) The computer readable instructions of claim 49, wherein the base schema further defines at least one base item object including at least one base object type property.

51.   (Previously presented) The computer readable instructions of claim 50, further comprising:

instructions for storing at least one additional object in said repository, said object being derived from said base object type.

52.   (Previously presented) The computer readable instructions of claim 51, further comprising:

instructions for storing said at least one additional object in said repository, wherein said at least one additional object extends from said base object type.

53.   (Previously presented) The computer readable instructions of claim 50, wherein said base object type comprises a property that uniquely identifies said object to said repository.

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54.   (Previously presented) The computer readable instructions of claim 49, wherein said schema defines at least one base property that defines all other properties utilized by the repository.

55.   (Previously presented) The computer readable instructions of claim 49, wherein said schema defines at least one base relationship type that defines all other relationships utilized by the repository.

56.   (Previously presented) The computer readable instructions of claim 55 further comprising:

instructions for storing said at least one additional object in said repository, wherein said object includes a containment relationship defined by said schema that controls the lifetime of another object that is the target of the relationship.

57.   (Previously presented) The computer readable instructions of claim 56 further comprising:

instructions for storing said at least one additional object in said repository, wherein said at least one additional object is derived from said base object type and said at least one additional object includes a relationship to an object folder derived from said base object type, wherein said object folder is the source of the relationship and said object being the target of said relationship.

58.   (Previously presented) The computer readable instructions of claim 57, wherein the existence of a containment relationship is indicated by a property field in the source of the relationship.

59.   (Previously presented) The computer readable instructions of claim 57, further comprising:

instructions for deleting the object that constitutes the source in a containment and in response to deleting the source, instructions for deleting any objects that are the targets of the containment relationship.

60.   (Previously presented) The computer readable instructions of claim 56, further comprising:

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instructions for configuring said target of the containment relationship to be the target of multiple containment relationships.

61.   (Currently amended) A system for storing data in a data storage management system comprising:

means for storing data for one or more applications in a repository, the data stored as objects including content, the objects conforming to a <u>base</u> schema that characterizes each object into one or more object types that allows the repository to understand and interpret the content of each object, <u>wherein the base schema defines object, property base, and extension types, wherein an object type is defined by properties of a foundational object type, the property base type being an anchor from which other property types are derived and through which derived property types are interrelated, and the extension type defines which object an extension extends and identification to distinguish one extension from another;</u>

means for receiving at least one request from said one or more applications for specific content; and

means for retrieving one or more objects that include said specific content for said one or more applications.

62.   (Previously presented) The system of claim 61, wherein the base schema further defines at least one base object type including at least one base object type property.

63.   (Previously presented) The system of claim 62, further comprising:

means for storing at least one additional object in said repository, said object being derived from said base object type.

64.   (Previously presented) The system of claim 63, further comprising:

means for storing said at least one additional object in said repository, wherein said at least one additional object extends from said base object type.

65.   (Previously presented) The system of claim 62, wherein said base object type comprises a property that uniquely identifies said object to said repository.

66.   (Previously presented) The system of claim 61, wherein said schema defines at least one base property that defines all other properties utilized by the repository.

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67.   (Previously presented) The system of claim 61, wherein said schema defines at least one base relationship type that defines all other relationships utilized by the repository.

68.   (Previously presented) The system of claim 67, further comprising:

means for storing said at least one additional object in said repository, wherein said object includes a containment relationship defined by said schema that controls the life-time of another object that is the target of the relationship.

69.   (Previously presented) The system of claim 68, further comprising:

means for storing said at least one additional object in said repository, wherein said at least one additional object is derived from said base object type and said at least one additional object includes a relationship to an object folder derived from said base object type, wherein said object folder being the source of the relationship and said object is the target of said relationship

70.   (Previously presented) The system of claim 69, wherein the existence of a containment relationship is indicated by a property field in the source of the relationship.

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